16569 U.S.PTO
033104

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: 42P18776
(maximum 12 characters)
First Named Inventor: Gary A. Brist
Title: CARRIER SUBSTRATE WITH A THERMOCHROMATIC COATING
Express Mail Label No.: EV 409 356 841 US

16834 U.S.PTO
10/816132
033104

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. [X] **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original and a duplicate for fee processing)

2. [] **Applicant Claims Small Entity Status. (37 CFR 1.27)**

3. [X] **Specification (Total Pages 19 – including Title page & Abstract)**
(preferred arrangement set forth below)
- Descriptive Title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. [X] **Drawings(s) (35 USC 113) (Total Sheets 5)**

5. [X] **Oath or Declaration (Total Pages 4)**

a. [X] Newly Executed (Original or Copy)

b. [] Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 18 completed)

i. [] DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

c. [] Unsigned.

6. [] **Application Data Sheet. (37 CFR 1.76)**

7. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. [] Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. [] Computer Readable Form (CRF)

b. [] Specification Sequence Listing on:
i. [] CD-ROM or CD-R (2 copies); or
ii. [] paper

c. [] Statements verifying identity of above copies

Based on Form PTO/SB/05 (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/12/03.

ACCOMPANYING APPLICATION PARTS

9.	X	**Assignment Papers (cover sheet & documents(s))**
10.		a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
		b. Power of Attorney
11.		English Translation Document (if applicable)
12.		a. Information Disclosure Statement (IDS)/PTO-1449 (or PTO/SB/08)
		b. Copies of IDS Citations
13.		**Preliminary Amendment**
14.	X	**Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.		**Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**
17A.		Claim for Foreign Priority
17B.	X	Other: **Certificate of Express Mail with copy of itemized postcard.**

17C. X **Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title (e.g., by way of preliminary amendment), or in an Application Data Sheet Under 37 C.F.R. 1.76:

___ **Continuation** ___ **Divisional** ___ **Continuation-in-part (CIP)**
Of Prior Application No.: _____ **Examiner** _____ **Group Art Unit** _____
(which is a ___ continuation/ ___ divisional/ ___ CIP of prior application no. _____,
which is a ___ continuation/ ___ divisional/ ___ CIP of prior application no. _____) (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.
For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. Correspondence Address

X **Customer Number or Bar Code Label** 08791
or **(Insert Customer No. or Attach Bar Code Label here)**

X **Correspondence Address Below**

NAME Michael A. Bernadicou
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
ADDRESS 12400 Wilshire Boulevard
Seventh Floor
CITY Los Angeles **STATE** California **ZIP CODE** 90025
Country U.S.A. **TELEPHONE** (408) 720-8300 **FAX** (408) 720-8383

Name (PRINT/TYPE): Suk S. Lee **Registration No.:** 47,745
Signature: _____ **Date:** March 31, 2004

Based on Form PTO/SB/05 (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/12/03.

16569 U.S. PTO
033104

FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

TOTAL AMOUNT OF PAYMENT ($) 972.00

Complete if Known:

Application No.	Not yet assigned
Filing Date	Herewith (3-31-2004)
First Named Inventor	Gary A. Brist
Examiner Name	Not yet assigned
Art Unit	Not yet assigned
Attorney Docket No.	42P18776

____ **Applicant claims small entity status. See 37 CFR 1.27.**

METHOD OF PAYMENT (check all that apply)

__X__ **Checks** _____ **Credit Card** _____ **Money Order** _____ **Other** _____ **None**

__X__ **Deposit Account**

Deposit Account Number : 02-2666

Deposit Account Name:

__X__ **The Director is Authorized to do the following with respect to the above-identified Deposit Account:**

____ **Charge fee(s) indicated below.**

__X__ **Credit any overpayments.**

__X__ **Charge any additional fees during the pendency of this application.**

__X__ **Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.**

____ **Charge fee(s) indicated below except for the filing fee.**

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
1001	770	2001	385	Utility application filing fee	770.00
1002	340	2002	170	Design application filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional application filing fee	

SUBTOTAL (1) $ 770.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

			Extra Claims		Fee from below		Fee Paid
Total Claims	29	– 20** =	9	X	$18.00	=	162.00
Independent Claims	3	– 3** =	0	X	$86.00	=	.00
Multiple Dependent						=	

****Or number previously paid, if greater; For Reissues, see below.**

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) $ 162.00

Based on Form PTO/SB/17 (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/30/03.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1813	8,800	1813	8,800	Request for inter parties reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive – unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809	385	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	110	2814	55	Statutory Disclaimer	
1810	770	2810	385	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300	Publication fee for republication	
1803	130	1803	130	Request for voluntary publication or republication	
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,330	1454	1,330	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) $ 40.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Suk S. Lee

Signature: _____ Date: March 31, 2004

Reg. Number: 47,745 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Based on Form PTO/SB/17 (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/30/03.

Application No.: Not yet assigned **Filing/Issue Date:** Herewith **Docket No.:** 042390.P18776

Date Mailed: 03-31-2004 **Due Date(s):** N/A | N/A

Client: Intel Corporation **Atty/Sec:** MAB/SSL/den

Title: CARRIER SUBSTRATE WITH A THERMOCHROMATIC COATING

First Named Inventor: Gary A. Brist

The following has been received in the U.S.P.T.O. on the date stamped hereon:

- ☒ Express Mail No. EV 409 356 841 US
- ☒ Utility Transmittal
- ☒ Fee Transmittal (original & copy)
- ☐ Nonpublication Request
- ☐ Petition for Extension of Time:
- ☒ Application Type: Utility
 (19__ pages including title & abstract)
- ☐ Transmittal of Formal Drawings
- ☒ Drawings: (5) sheets, (8) figures
- ☐ Amendment (_____ pgs.)
 - ☐ Application amended to Reflect Claim of Priority
- ☒ Other Certificate of Express Mail with copy of itemized postcard.
- ☒ Declaration & POA (4 pgs.)
- ☒ Assignment & Cover Sheet (3 pgs.)
- ☐ Information Disclosure Statement & PTO/SB/08 (_____ pgs.)
- ☒ Check No. 63906 Amount $932.00
- ☒ Check No. 63907 Amount $ 40.00
- ☒ Postcard

Certificate of Express Mail

"Express Mail" mailing label number: EV 409 356 841 US
Date of Deposit: March 31, 2004
I hereby certify that I am causing this paper or fee, and the documents indicated on the postcard above, to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to: MS: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Dianne Neathery
(Typed or printed name of person mailing paper or fee)

Dianne Neathery 3-31-04
(Signature of person mailing paper or fee) (Date)